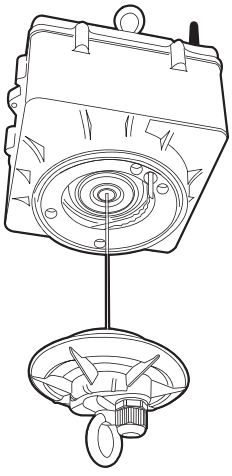


TECHNICAL USER MANUAL

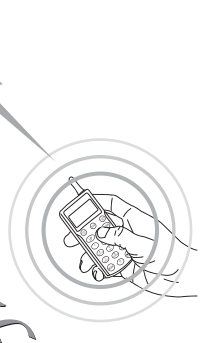
MODEL NO.

- ☐ HSI-18
- ☐ HDI-25
- ☐ PSI-20
- ☐ PSI-30
- ☐ PDI-35
- ☐ PDI-50
- ☐ SSI-10
- ☐ SDI-20
- ☐ CSI-12
- ☐ CDI-15

MOVE IT!
IT'S POSSIBLE

- Thank you for purchasing our product.
- Please read the manual carefully before installing and operating this product.
- Please keep this manual for future reference as it includes proof of purchase and product warranty.

Remote Lighting Lifter



REEL TECH

IMPORTANT!

PLEASE ENSURE YOU READ ALL ‘OPERATION AND INSTALLATION CAUTIONS’ BEFORE INSTALLING LIFTERS.

REMOTE LIGHTING LIFTER

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Lighting lifter trouble shooting 17

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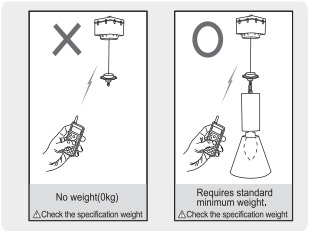
Warranty 19

Operation and Installation Cautions

Always ensure appropriately qualified electrical personnel only install remote control lifters.
Do not lower lifter further than the maximum lowering distance shown on the specifications table on page 18. This will possibly damage the lifter and void warranty.

Do not operate lifters without the required minimum weight shown on the specifications table on page 18.



Always install lifters in their unit code order. Lifters are all numbered.

If you have purchased 20 lifters, they will be numbered 1 to 20. Install No. 2 after No. 1 then No. 3 after No. 2 etc.

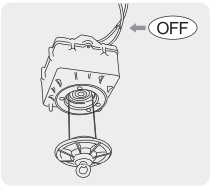
Ensure the layout on page 16 is filled out so people operating the lifters in the future know the location of each unit.

It is advisable to mark North on the layout or entry & exit locations that exist in the building.

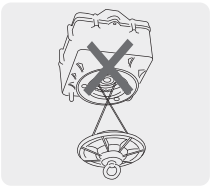
If the table is too small, create your own layout table.

Operation and Installation Cautions

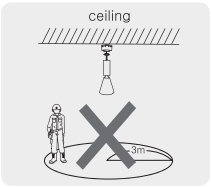
Always use a licenced electrical contractor for installation work and ensure compliance with Australian and local area standards.



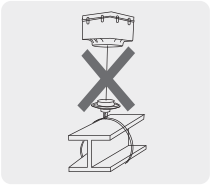
Ensure the mains power is turned off before wiring the lifter and the light. It is best to use a multimeter to check before wiring.



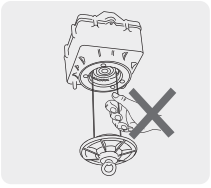
Do not operate the lifter when suspension wires are tangled or twisted.



Make sure that no one is standing underneath lifter while it is operating.

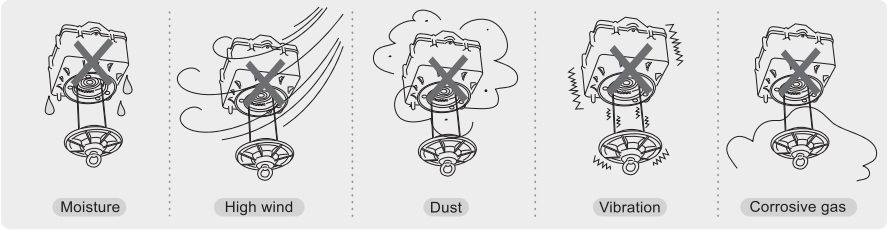


Remote lighting lifter is not to be used to lift items not specified by the manufacturer. Our products are not to be used in place of winches or cranes.



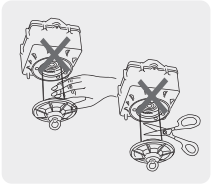
Do not hold the suspension cable or the light fitting while operating.

Do not modify or paint it. This will void the warranty and may cause the system to malfunction.

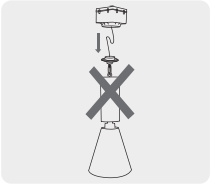


Avoid installation where there is high moisture, high wind, excessive dust, excessive vibration and/or corrosive gas.

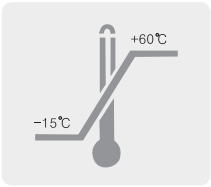
Operation and Installation Cautions



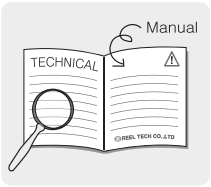
Do not put hands or objects between the upper and lower contacts during operation. This may cause injury and/or malfunction of system.



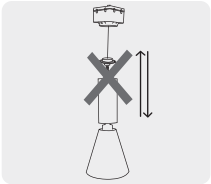
Excessive swinging or impact on the lowering wire should be avoided.



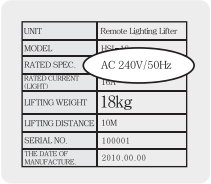
Working temperature -15℃ to + 60 ℃



Ensure proper installation and procedures are followed as per this manual.



Do not operate the unit CONTINUOUSLY for more than one round trip.



UNIT	Remote Lighting Lifter
MODEL	[illegible]
RATED SPEC.	AC 240V/50Hz
RATED CURRENT (LOAD)	10A
LIFTING WEIGHT	18kg
LIFTING DISTANCE	10M
SERIAL NO.	100001
THE DATE OF MANUFACTURE	2010.00.00

Use correct power source as indicated on the unit label. Operating the lifter in an unspecified way could cause fire and/or may malfunction.

Supply Cable Damage

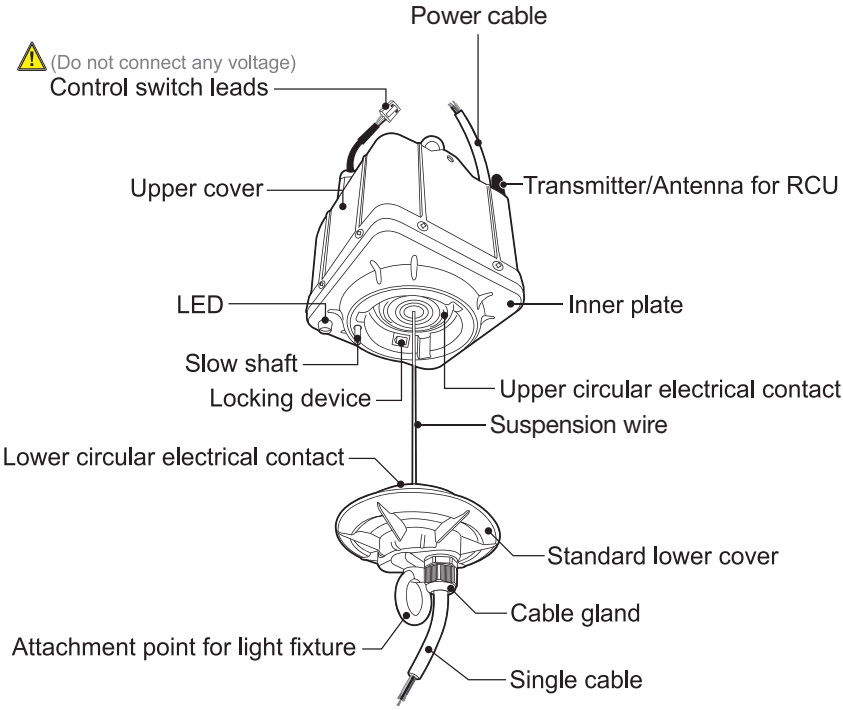
If supply cable is damaged please return to place of purchase for repairs to be carried out by manufacturer.

Product - Parts

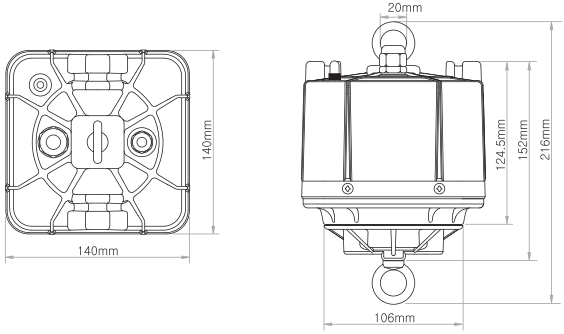
Single wire **CSI-12** | Double wire **CDI-15**

Shown below

- Electric leads to main electric power (Active: brown, Neutral: blue)
- Ground / Earth conductor (green/yellow)



Dimension



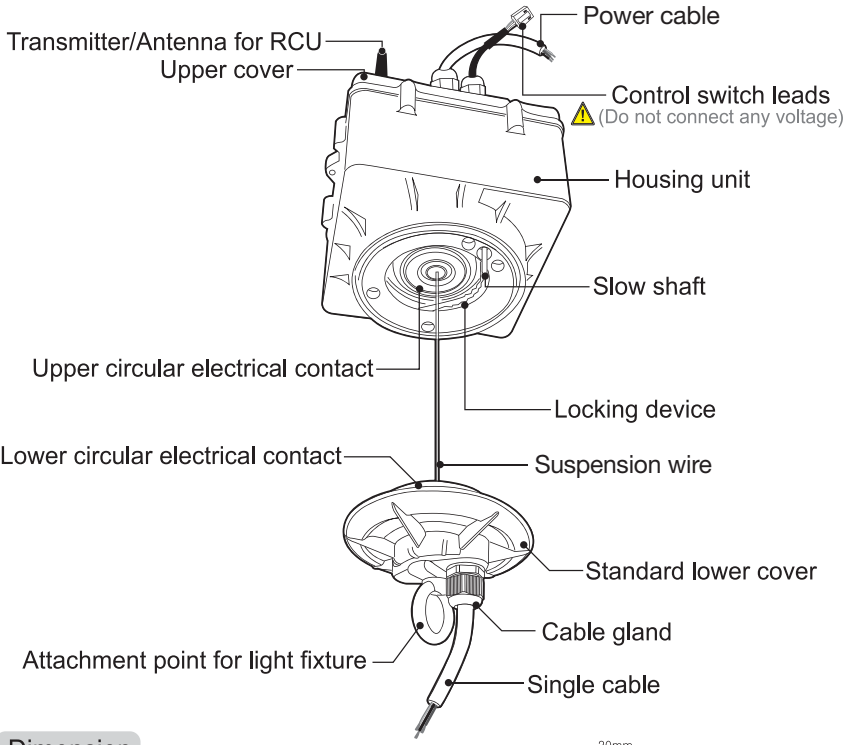
Must follow local regulations and standards
Before installation, please check operation and installation cautions on page 2~4

Single wire **HSI-18** | Double wire **HDI-25**

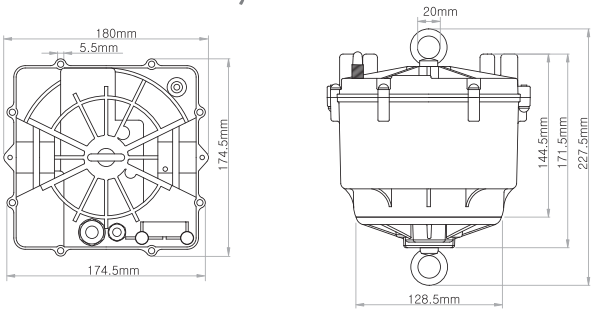
Product - Parts

Shown below

- Electric leads to main electric power (Active: brown, Neutral: blue)
- Ground / Earth conductor (green/yellow)



Dimension



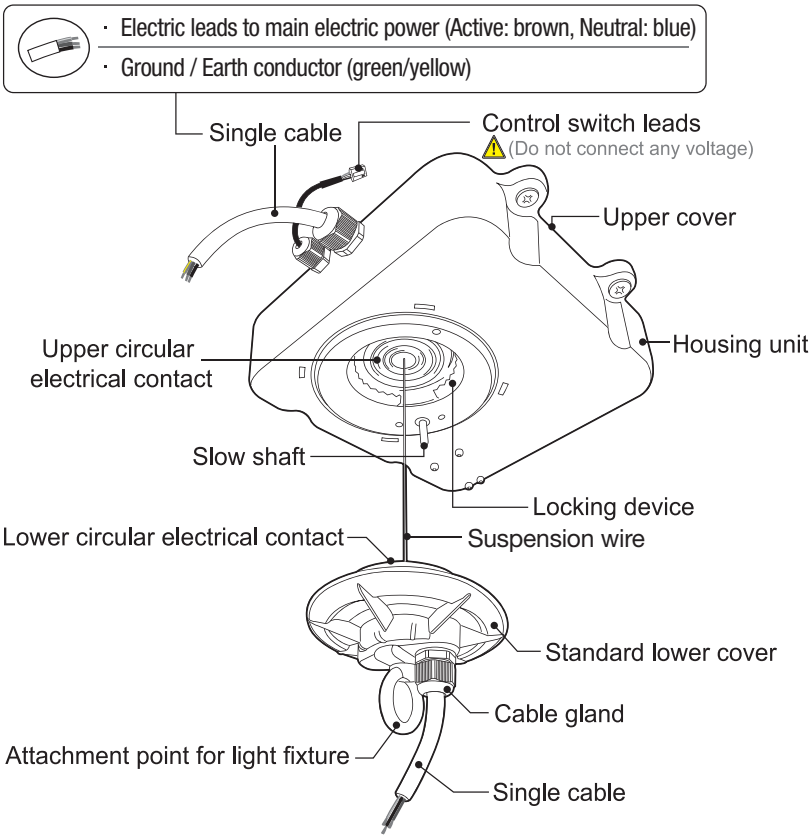
Must follow local regulations and standards
Before installation, please check operation and installation cautions on page 2~4

HOOK-UP TYPE

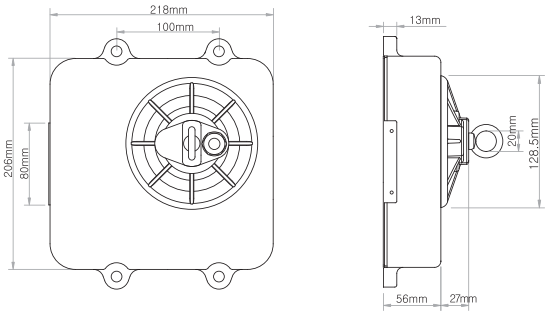
Product - Parts

Single wire **SSI-10** | Double wire **SDI-20**

Shown below



Dimension



Must follow local regulations and standards

Before installation, please check operation and installation cautions on page 2~4

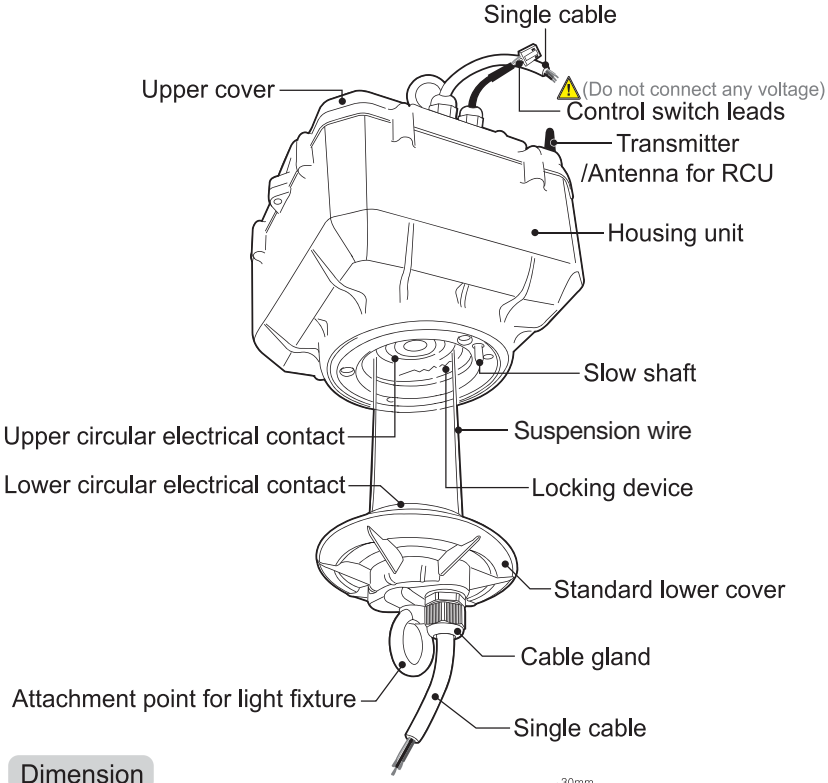
Single wire
PSI-20/30

Double wire
PDI-35/50

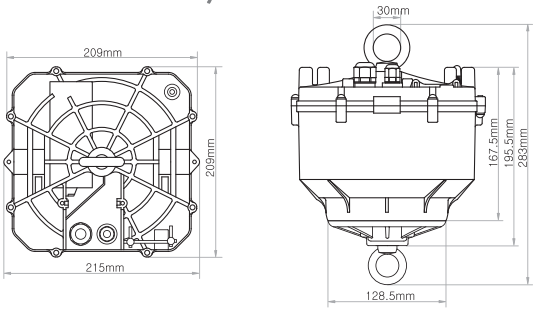
Product - Parts

Shown below

- Electric leads to main electric power (Active: brown, Neutral: blue)
- Ground / Earth conductor (green/yellow)



Dimension

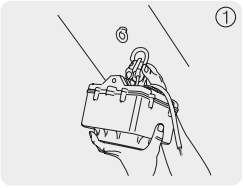


Must follow local regulations and standards
Before installation, please check operation and installation cautions on page 2~4

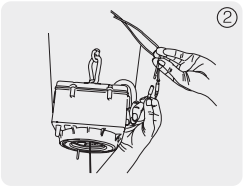
HEAVY DUTY TYPE

Standard Installation

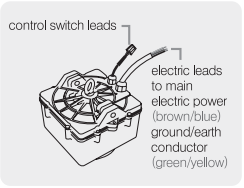
Lifters must have minimum weights attached as nominated on the specifications table on page 18 before operation of the raising or lowering functions.
Always have mains power off when installing lifter or light.

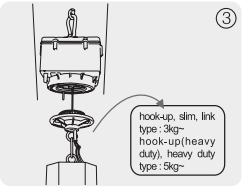


Attach lifter with a hook or a shackle.

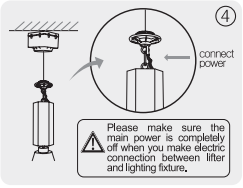


Connect the main power to the lifter.

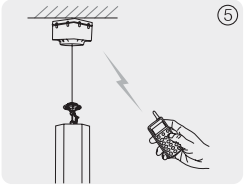




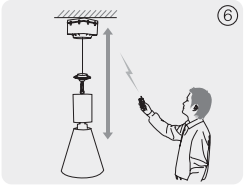
Attach light fixture to the lifter.


④
connect power
Please make sure the main power is completely off when you make electric connection between lifter and lighting fixture.

Make electrical connection.

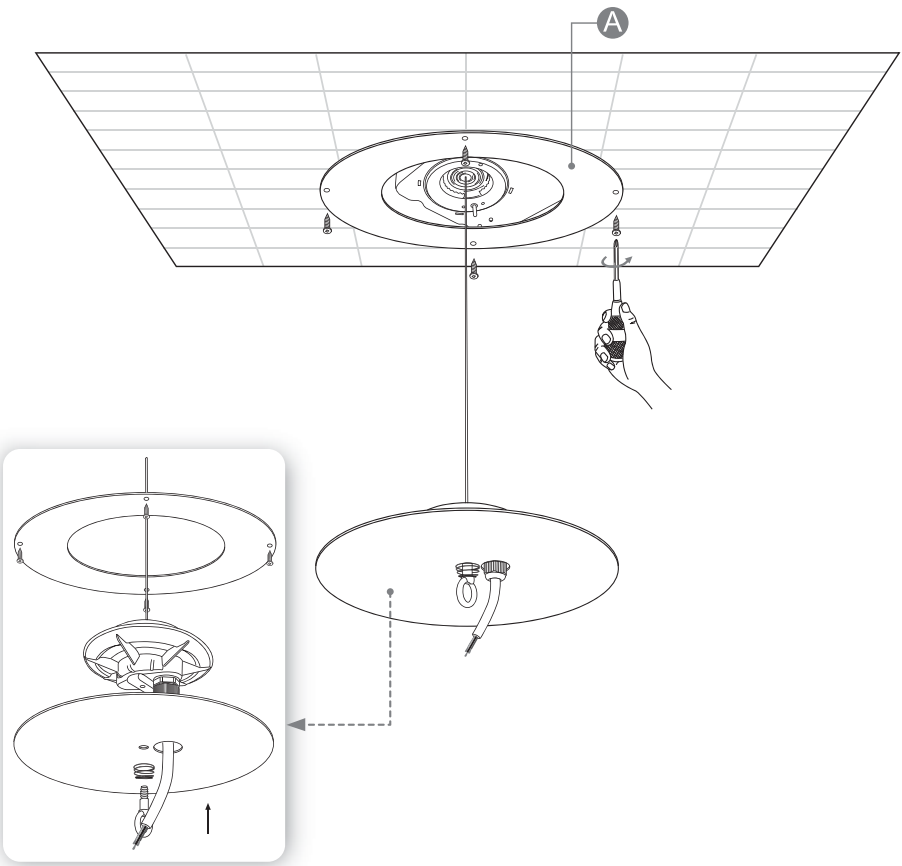


Press DOWN button to lower.



Follow the testing procedure to check the lifter on page 14.

Recess Mounting Plate Example



Remote Control Unit (RCU)

① LIGHT ON "ON" button for Lighting

② CLEAR Erase the value

③ LIGHT OFF "OFF button for Lighting

④ UP To raise lifter

⑤ DOWN To lower lifter

⑥ 4 DOWN-SET STOP Control button for lowering height

⑦ 5 SET Set mode is secured by password, please contact local retailer or agency

⑧ 7 GROUP Group button for group functions

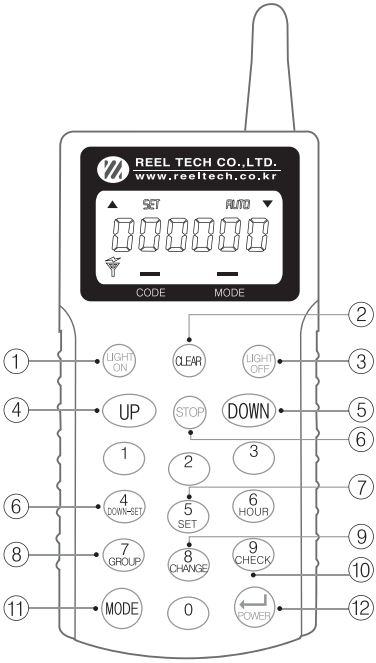
⑨ 8 CHANGE Select switch button for unit code and serial number code.

⑩ 9 CHECK To check serial number with unit code.

⑪ MODE Mode button is used in conjunction with the following buttons

4 DOWN-SET 5 SET 6 HOUR 7 GROUP 8 CHANGE 9 CHECK

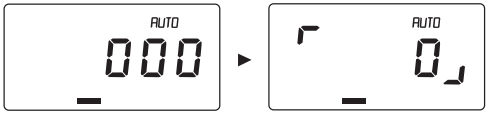
⑫ POWER Power button for Remote control



Functions-Remote Control Unit (RCU)

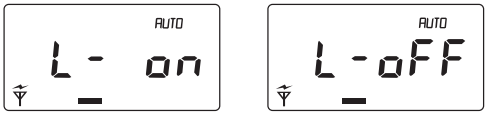
POWER ON/OFF

Press POWER button.



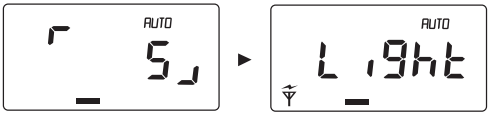
Turning all lights ON/OFF

Press MODE and then LIGHT ON buttons to turn "ON" all light units, press MODE and then LIGHT OFF buttons to turn "OFF" all light units.



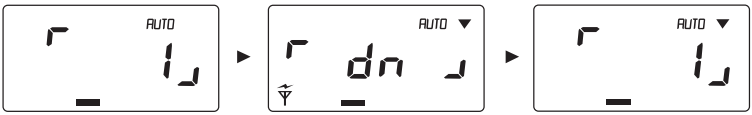
Individual light ON/OFF

Select the unit code on the RCU then press LIGHT ON to turn “ON”, press LIGHT OFF to turn “OFF” the light.
(Unit No.5 is an example in the boxes)



DOWN OPERATION

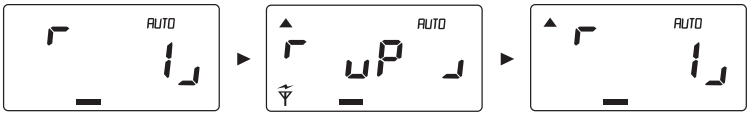
Select the unit code on the RCU and then press DOWN. To stop press STOP.
Otherwise, lifter is designed to stop automatically at the preset position or after completion.
(Unit No.1 used as an example in the boxes)
NOTE: To adjust the lowering height (see page 13)



⚠ Caution : • Do not hold or press the button continuously, it may cause it to reset the lowering height program.
• Do not lower more than the maximum lowering distance shown on the specifications table on page 18.

UP OPERATION

Select the unit code on the RCU and then press UP. To stop press STOP.
Otherwise, lifter is designed to stop automatically and turns the light on once it reaches its normal home position.
(Unit No.1 used as an example in the boxes)



Set the lowering height

- Step 1 : Select the unit code on the RCU for whichever lifter is being set up.
- Step 2 : Press DOWN button
- Step 3 : Press STOP button at the desired maintenance position.
- Step 4 : Press and hold the STOP button until STOP shows up on the RCU screen with beeping sound.
- Step 5 : Press UP button (raise the fixture about 500mm)
- Step 6 : Press STOP button.
- Step 7 : Press DOWN button to make sure it stops automatically on the preset position.

completion

check

If the lifter has reached its preset height and it needs to be lowered further, simply press the DOWN button again and the unit will lower until the STOP button is pressed.

⚠ Do not lower more than the maximim lowering distance shown on the specifications table on page 18.

Reset the lowering height

The lowering height can be reset at any time if situations change.

Simply position the lifter at the new height required and follow steps 4, 5, 6 and 7 of the **Set the lowering height above.**

GROUP MODE

If lifter grouping has been set up on the RCU (only set up by distributor) the following procedure needs to be followed.

Press the mode button and then press and hold down No. 7 (Group) button for 2-3 seconds.

After this time the RCU will beep and Group 1 will be shown on the RCU screen.

Choose which group you require by pressing buttons 1 to 4. (Only 4 groups are available on the RCU)

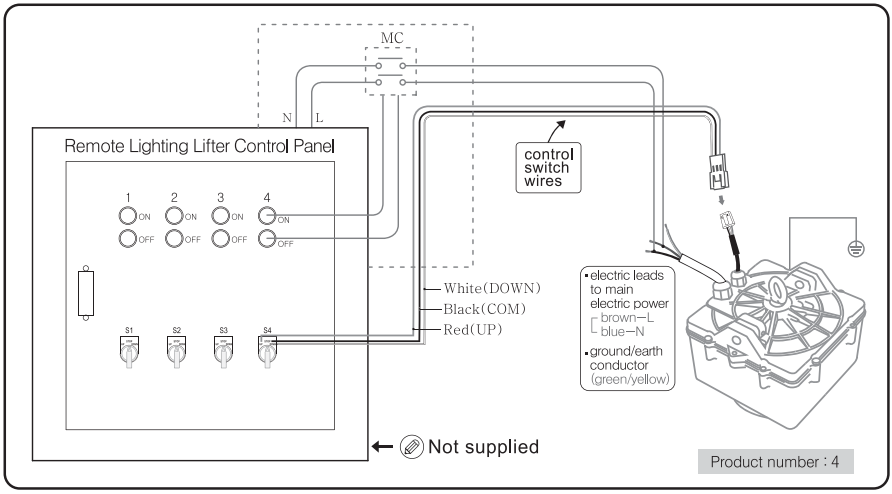
When in group mode all lifters that have been programmed into the group selected will be controlled at once when using the down, up, light on, light off buttons.

To exit from group mode press the mode button and then press and hold down the No. 7 (Group) button for 2-3 seconds, the RCU will beep and the RCU screen will return to normal unit number screen.

Control Panel System Example

Reeltech remote lighting lifter is also designed to be controlled from a hard wired panel. Following is a typical layout for a manually controlled system.

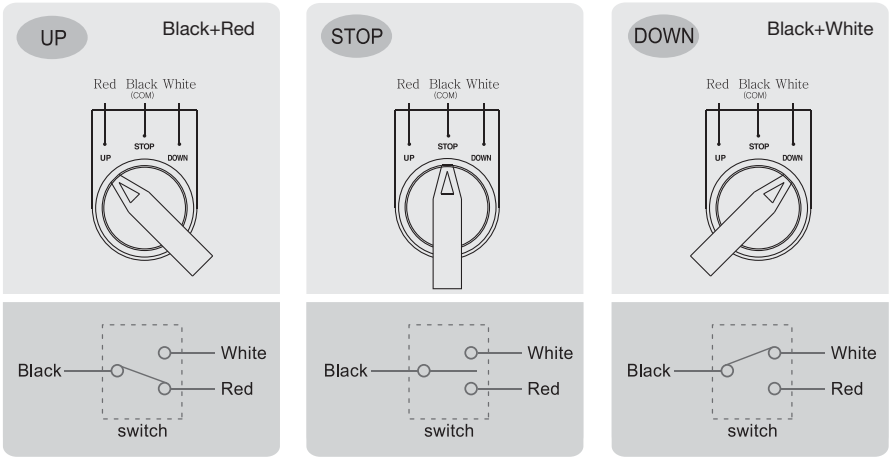
NOTE: ⚠ Signal cabling (Red, White, Black) This is installed onsite to control lifters as a hardwired system. Must be rated to a minimum of 300V AC. (Even though they only carry signal and not voltage)



⚠ Do not connect any electric current to control switch wires (Red, White, Black). These wires are only for signal from switches.

Control Switch

⚠ Do not connect Black, Red and White wires together.



⚠ Do not connect any voltage to the Black, Red and White wires.

Testing Procedure

Testing procedure must be done before dismantling or moving the scaffolding or any heavy equipment used for lifter installation purposes.

TESTING PROCEDURE

1. Are lifter functions DOWN-STOP-UP working properly?
   ☐ YES ☐ NO

.....

2. Does the light come ON when lower contact cover is up and connected to the lifter in the normal operating position?
   ☐ YES ☐ NO

.....

3. Can the light fitted be turned ON and OFF by remote control?
   ☐ YES ☐ NO
4. Make sure installation layout sheet page 16, has been filled out with all information regarding lifters. It is a good idea to mark north and south on the sheet to understand location of lifters.

MOVE IT!
IT'S POSSIBLE

Installation Lay-out

REEL TECH

Total Quantity		RCU No.	

Make sure to install the lifter in unit code order

Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
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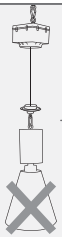
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					
Serial No.					
Unit Code					
Group No. (If Applicable)					

Lighting lifter trouble shooting

Trouble

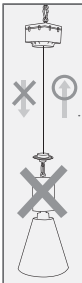
– Does not turn ON and OFF the light.



Condition	Possible solution
▸ Does not turn ON and OFF all lights.	▸ Check the supply voltage ▸ Check the RCU number
▸ Does not turn ON and OFF individual light.	▸ Check the unit code ▸ Check all connections ▸ Check the lamp ▸ Check the ballast

Trouble

– Lighting lifter does not work UP and DOWN function.



Condition	Possible solution
▸ Doesn't work all lifters.	▸ Check the supply voltage ▸ Check the requirement light fixture weight
▸ Doesn't work individual lifter.	▸ Can not control with remote controller (Check the RCU number and unit code) ▸ Can not control with control switch (Check the all connection) ▸ Can not control with both systems (Please contact the nearest purchase retailer for service)

Trouble

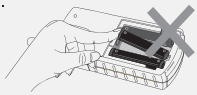
– During operation lifter suddenly stops.

Condition	Possible solution
▸ Lifter stops and does not work.	▸ Lifter is overheated. Resume operation after 30 minutes. ▸ Check if suspension cable/s are twisted or tangled.
▸ During lowering lifter suddenly stops.	▸ Check the required installation height. ▸ Check the automatic lowering stop function.

Trouble

– Can not control with remote, but it does work with control switch.

Condition	Possible Solution
▸ Have changed remote control batteries, but does not work.	▸ Please check with nearest purchase retailer for service. (TEL. +61 02 4932 9000)



Specifications

	Hook-up Type		Compact Type	
Model No.	HSI-18	HDI-25	CSI-12	CDI-15
Dimension(WxDxH / Unit-mm)	180 x 174.5 x 227		140 x 140 x 216	
Unit Net weight(KGS)	5.5kg		2.5kg	
Lifting Weight(KGS)	3~18kg	6~25kg	3~12kg	3~15kg
Maximum lowering distance	10	10	15	10
The number of wire	1	2	1	2
Wire O.D(mm) SUS304/7x19	2.0	1.6	1.4	1.2
Operating voltage and frequency	220V±20% / 50~60Hz		100~277V±10% /50~60Hz	
Maximum rated current of connected equipment	16A	16A	16A	16A
Stand by current(power)	0.1A	0.1A	0.04A	0.04A
Lifter load current in operation	0.8A	0.8A	0.3A	0.3A
Type of motor	AC	AC	DC	DC

	Slim Type		Heavy Duty Type			
Model No.	SSI-10	SDI-20	PSI-20	PSI-30	PDI-35	PDI-50
Dimension(WxDxH / Unit-mm)	219 x 244.5 x 117		209 x 215x 283			
Unit Net weight(KGS)	4.53kg		8.7kg	8.7kg	8.7kg	9.5kg
Lifting Weight(KGS)	3~10kg	6~20kg	4~20kg	4~30kg	8~35kg	8~50kg
Maximum lowering distance	10	8	15	15	10	10
The number of wire	1	2	1	1	2	2
Wire O.D(mm) SUS304/7x19	1.6	1.2	2.4	2.4	2.0	2.0
Operating voltage and frequency	100~277V±10% / 50~60Hz		220V±20% / 50~60Hz			
Maximum rated current of connected equipment	16A	16A	16A	16A	16A	16A
Stand by current(power)	0.2A	0.2A	0.1A	0.15A	0.1A	0.15A
Lifter load current in operation	0.3A	0.3A	0.8A	1A	0.8A	1A
Type of motor	DC	DC	AC	BLDC	AC	BLDC

All information printed herein is based on data available at the time of printing and is subject to change without notice. Confirm specifications contained on lifter unit prior to installation.

Product Warranty

Names of product	Remote Lighting Lifter	Type	
Model		RCU No.	
Serial No.		Manufacture date	
Purchase date		The term of warranty	2 year

1. The product has been produced through strict quality controls and inspections
2. Please fill in blanks in the product warranty and keep it with owner's manual.
3. In case of after sales service, please contact the company this product was purchased from.

This warranty is for replacement of faulty products/parts only. We do not accept consequential damages due to malfunction or failure of our product. Please return the product back to place of purchase.
Warranty conditions are outlined on our general terms of trade.

Warranty is deemed invalid if;

- Product has been handled and used carelessly
- Product has been tampered with, altered or pulled apart without permission.
- There has been failure to use the correct power supply or specified lowering weight
- Product has been damaged due to impact
- Using the product for different purposes than intended and specified
- Catastrophes, acts of god
- Improper installation

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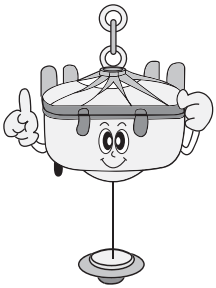

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LMS AUSTRALIA

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